Philips Medical Systems

FIELD CHANGE ORDER — Service

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OPTIMUS RAD
for US Army Application

TITLE: EXCHANGE OF EXPANSION BELLOW OF OPTIMUS-ARMY GENERATORS

DOCUMENT HISTORY:

Revision	Revision Date	Created/changed by	Description
Rev. A	20.07.2007	J. von Buschmann	Initial version

APPLIES TO:

Geography	US Army, US Navy
Traceable item identification (12NC):	9890-000-60021, 9890-000-60022 0000-008-40061, 4512-104-98901
Range of serial numbers (if applicable):	
Physical sub, main block(s) and system code(s) identification where the affected item could be present:	System code: 706031 Easy Diagnost Digital System code: 704032 Bucky Diagnost
Any other type of system identification number used by the BG/BU:	Special OPTIMUS for US Army application

LIST OF PAGES & DRAWINGS:

FCO74200027	1…6	(07.0)
	ANR	(07.0)

INTRODUCTION:

Symptom	:	Tank of high-voltage generator leaks oil
Cause	:	Defective expansion bellow
Remedy	:	Removal of the expansion bellow and installation of the hose provided with the FCO kit

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MANPOWER / TIME TO COMPLETE:

1 service engineer, 1 hour

TOOLS & TEST EQUIPMENT:

Tools	Tool code / 12NC
Standard tool kit	TC129

MODIFICATION KIT / PARTS REQUIRED:

Modification kit 12NC	Description
4512 105 07771	High-voltage generator mobile FCO Kit

Kit contents

12NC	Description
0812-111-98018	hose 2.5m
4512-105-07711	Locking pin (white)
4512-105-07721	Hose connection piece
2622-080-02026	Sealing ring
2512-700-12231	Hose clamp
2422-015-05008	Cable straps

NOTE

These parts are packed in an extra bag, they can be used to seal the tank in case of a tank return or other circumstances that make this necessary.

USE

- Unscrew the hose connection piece and place the slotted cheese head screw + sealing ring instead.

12NC	Description
2522-002-30169	slotted cheese head screw, M4x8
2622-080-02026	sealing ring

Ordering Information: Order the indicated material according to the standard logistics procedures.

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PROCEDURE:

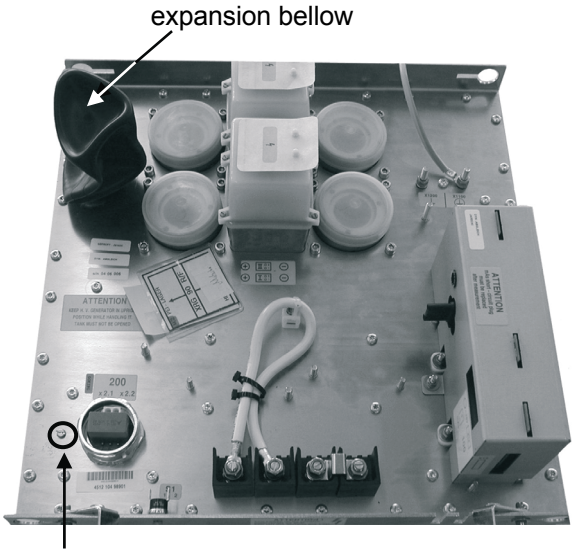
Safety information

The general legal and factory safety recommendations for this X-ray equipment and the following recommendations must be strictly observed!
Start of operation and maintenance work and, especially, electrical work must only be executed by authorized persons.

Warning!

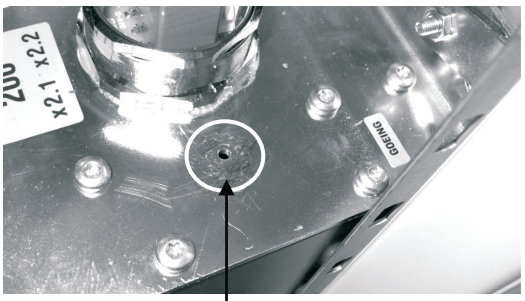
The system/component must be switched OFF during replacement work. Any X-ray unit produces ionizing radiation which may be harmful if not properly controlled. Therefore, it is recommended that this equipment be operated in accordance with the guidelines set down by the national council on radiation protection.

- Dismantle the front and left lateral cover of the generator.

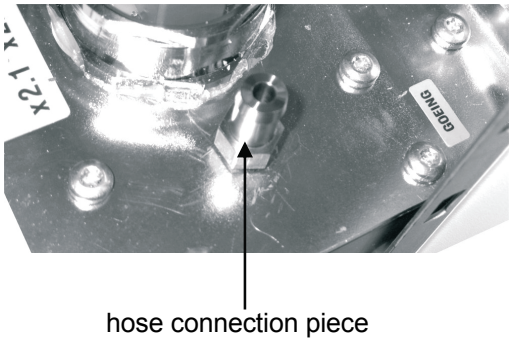


- Remove the sealing wax from the deaerating screw.
- Remove the deaerating screw.

- Clean the surface from sealing wax remains around the deaerating hole.



- Screw in the hose connection piece with the sealing ring



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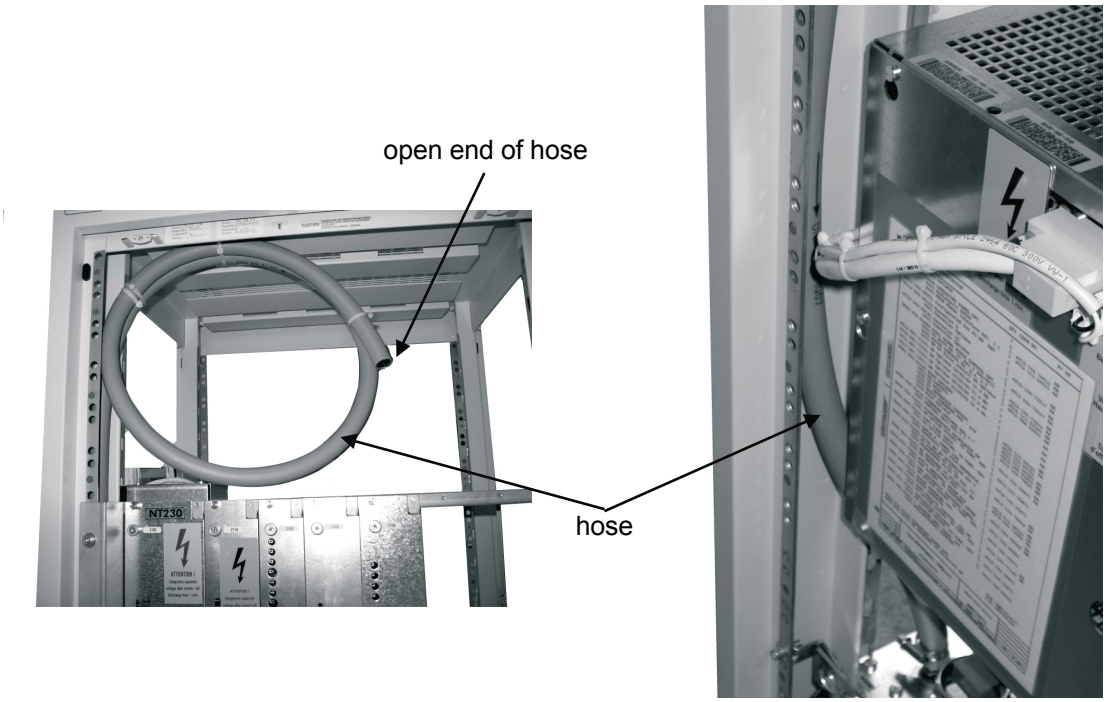
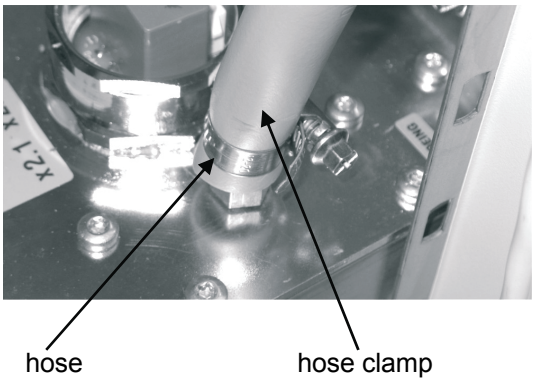
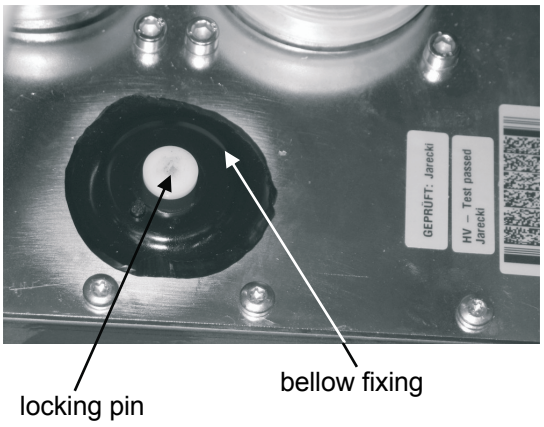
- Run the hose from the top to the tank of the high-voltage generator like shown, the open end of the hose in the loop must hang down.



- Fix the hose to the hose connection piece on the tank of the high-voltage generator, use a hose clamp to secure it.
  Use cable straps to hold the hose in place.



- Cut a hole into the top of the expansions bellow just in case there is oil inside of the expansion bellow. If necessary wait until the oil has run out.
- Cut off the expansion bellow at the “bottleneck”.
- Use a little hammer to drive the white locking pin into the hole of the bellow fixing to close the hole in the remains of the expansion bellow.



- Close the generator covers.

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INSTALLED BASE REGISTRATION – FSE NOTE:

This FCO has impact on the installed base registration. Make sure you update your local installed base registration.

PARTS DISPOSAL:

All parts are to be disposed of in a safe way in accordance with local Safety Regulations.

DOCUMENTATION:

- Log this action in the section "History Record" of the System Reference Manual.
- File this FCO in the section "Service Information" of the System Reference Manual.
- Fill out the attached Action Notification Report and send it to your SSD Customer Support Manager.

ACTION NOTIFICATION REPORT:

If required, fill out the attached ANR (Action Notification Report) and send it to your local GS&S Key Market Customer Services manager.

NOTE

In case the next page is empty, this is done intentionally.
Reason is that the "ANR page" must be available on an odd page.

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FCO ACTION NOTIFICATION REPORT

For Key Market use only; do not return to BU/BL.

TITLE: ***EXCHANGE OF EXPANTION BELLOW FORM OPTIMUS-ARMY-GENERATOR***	
CLASSIFICATION: ***Action for Performance - Proactive***	FCO REF. NO.: ***FCO74200027***
APPLIES TO: ***OPTIMUS RAD - 9890-000-60021, 9890-000-60022, 0000-008-40061, 4512-104-98901***	

HOSPITAL / ADDRESS:	
LOCATION / FW SITE NO.:	SALES ORDER NO. / OA NO.:

PRODUCT NUMBER: | | | | | | | | | | | | |

UNIT SERIAL NUMBER:

ACTION ON THIS UNIT WAS: (select one)

JOB NO. / SERVICE INCIDENT NO.:

- ☐ Completed per instruction on _____ DATE
- ☐ Completed by the factory prior to delivery
- ☐ Not completed as this unit is not affected per instruction because: (state reason)

  _____
- ☐ Not completed because: . . . . . .
  Required parts & instructions are received by the customer
- ☐ Not completed because customer refuses to install FCO: (state reason)

  _____

CUSTOMER ACKNOWLEDGEMENT (Required for **MANDATORY ACTIONS** only).
The **REASON and PURPOSE** of this modification has been explained to me.

_____ CUSTOMER NAME (PLEASE PRINT)

_____ TITLE

_____ CUSTOMER SIGNATURE

_____ DATE

BRANCH
REGION /
DEALER: _____

SERVICE UNIT /
SERVICE AREA NO.: _____

_____ SIGNATURE CUSTOMER SERVICES ENGINEER

_____ DATE

SIGNATURE CUSTOMER SERVICES MANAGER

MAIL TO: SSD Customer Services manager

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